

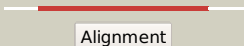

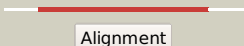







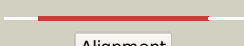




















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2246_(kasB)_2519404_2520720
Date	Mon Aug 5 13:25:38 BST 2019
Unique Job ID	157672bfc9ee8b0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2gp6B_	 Alignment		100.0	100	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: x-ray crystal structure of mycobacterium tuberculosis beta-ketoacyl2 acyl carrier protein synthase ii (mtkasb)
2	c2vz8B_	 Alignment		100.0	26	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
3	c2vz8A_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
4	c2wggA_	 Alignment		100.0	64	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 1; PDBTitle: crystal structure of mycobacterium tuberculosis c171q kasa2 variant with bound tlm
5	c4kc5D_	 Alignment		100.0	21	PDB header: transferase Chain: D: PDB Molecule: rhie protein; PDBTitle: crystal structure of the c-terminal part of rhie from burkholderia2 rhizoxinica
6	c4opeD_	 Alignment		100.0	25	PDB header: ligase, transferase Chain: D: PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks7
7	c5e5nB_	 Alignment		100.0	25	PDB header: hydrolase Chain: B: PDB Molecule: polyketide synthase pksj; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
8	c6fikA_	 Alignment		100.0	22	PDB header: biosynthetic protein Chain: A: PDB Molecule: polyketide synthase; PDBTitle: acp2 crosslinked to the ks of the loading/condensing region of the2 ctb1 pks
9	c4tl2A_	 Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgsf from streptomcyes2 platensis
10	c2gqdB_	 Alignment		100.0	37	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: the crystal structure of b-ketoacyl-acp synthase ii (fabf) from2 staphylococcus aureus
11	c4na3A_	 Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: polyketide synthase pksj; PDBTitle: crystal structure of the second ketosynthase from the bacillaene2 polyketide synthase bound to a hexanoyl substrate mimic

12	c1oxhD	Alignment		100.0	34	PDB header: transferase Chain: D: PDB Molecule: beta ketoacyl-acyl carrier protein synthase; PDBTitle: the crystal structure of beta-ketoacyl-[acyl carrier protein] synthase2 ii from streptococcus pneumoniae, triclinic form
13	c4tktA	Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgsf ks6
14	c1e5mA	Alignment		100.0	39	PDB header: condensing enzyme Chain: A: PDB Molecule: beta ketoacyl acyl carrier protein synthase ii; PDBTitle: beta ketoacyl acyl carrier protein synthase ii (kasii) from2 synechocystis sp.
15	c5erbB	Alignment		100.0	27	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase; PDBTitle: ketosynthase from module 5 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
16	c2qo3A	Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: erythromycin polyketide synthase modules 3 and 4; PDBTitle: crystal structure of [ks3][at3] didomain from module 3 of 6-2 deoxyerthronolide b synthase
17	c4oqjA	Alignment		100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: pk5; PDBTitle: streptomycyces albus ja3453 oxazolomycin ketosynthase domain ozmq ks1
18	c4qyrA	Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgse ks3
19	c4z37A	Alignment		100.0	23	PDB header: transferase Chain: A: PDB Molecule: putative mixed polyketide synthase/non-ribosomal peptide PDBTitle: structure of the ketosynthase of module 2 of c0zqg5 (trans-at pks)2 from brevibacillus brevis
20	c4ls5A	Alignment		100.0	36	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: crystal structure of beta-ketoacyl-acp synthase ii (fabf) from2 bacillus subtilis
21	c4b7vA	Alignment	not modelled	100.0	36	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of wild type pseudomonas aeruginosa fabf (kasii)
22	c4jgaA	Alignment	not modelled	100.0	33	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: x-ray crystal structure of 3-oxoacyl-[acyl-carrier-protein] synthase 22 from rickettsia rickettsii
23	c4wkyB	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomycyces albus ja3453 oxazolomycin ketosynthase domain ozmn ks2
24	c5elpA	Alignment	not modelled	100.0	25	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
25	c4mz0B	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: curl; PDBTitle: structure of a ketosynthase-acyltransferase di-domain from module curl2 of the curacin a polyketide synthase
26	c1tqyC	Alignment	not modelled	100.0	32	PDB header: transferase Chain: C: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 1; PDBTitle: the actinorhodin ketosynthase/chain length factor
27	c2iwvB	Alignment	not modelled	100.0	35	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: human mitochondrial beta-ketoacyl acp synthase
28	c4ddoA	Alignment	not modelled	100.0	39	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: crystal structure of 3-oxoacyl-[acyl-carrier-protein]

					synthase ii from2 burkholderia vietnamiensis
29	c3o04A_	Alignment	not modelled	100.0	39 PDB header: transferase Chain: A: PDB Molecule: beta-keto-acyl carrier protein synthase ii; PDBTitle: crystal structure of the beta-keto-acyl carrier protein synthase ii2 (lmo2201) from listeria monocytogenes
30	c2hg4A_	Alignment	not modelled	100.0	26 PDB header: transferase Chain: A: PDB Molecule: 6-deoxyerythronolide b synthase; PDBTitle: structure of the ketosynthase-acyltransferase didomain of module 52 from debs.
31	c6c9uA_	Alignment	not modelled	100.0	26 PDB header: transferase/immune system Chain: A: PDB Molecule: 6-deoxyerythronolide-b synthase erya2, modules 3 and 4; PDBTitle: crystal structure of [ks3][at3] didomain from module 3 of 6-2 deoxyerythronolide b synthase in complex with antibody fragment (fab)
32	c2ix4B_	Alignment	not modelled	100.0	36 PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: arabidopsis thaliana mitochondrial beta-ketoacyl acp synthase hexanoic2 acid complex
33	c3hhdC_	Alignment	not modelled	100.0	24 PDB header: transferase, hydrolase Chain: C: PDB Molecule: fatty acid synthase; PDBTitle: structure of the human fatty acid synthase ks-mat didomain as a2 framework for inhibitor design.
34	c4qavB_	Alignment	not modelled	100.0	37 PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: the structure of beta-ketoacyl -(acyl carrier protein) synthase ii2 (fabf) from neisseria meningitidis
35	c3e60A_	Alignment	not modelled	100.0	35 PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase ii; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein) synthase ii from2 bartonella henselae
36	c2qfvA_	Alignment	not modelled	100.0	36 PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of e. coli fabf (kasii) c163q mutant
37	c1j3nB_	Alignment	not modelled	100.0	41 PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-(acyl-carrier protein) synthase ii; PDBTitle: crystal structure of 3-oxoacyl-(acyl-carrier protein)2 synthase ii from thermus thermophilus hb8
38	c1tqyD_	Alignment	not modelled	100.0	24 PDB header: transferase Chain: D: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 2; PDBTitle: the actinorhodin ketosynthase/chain length factor
39	c4ewgA_	Alignment	not modelled	100.0	34 PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of a beta-ketoacyl synthase from burkholderia2 phymatum stm815
40	c2buiC_	Alignment	not modelled	100.0	32 PDB header: synthase Chain: C: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase i; PDBTitle: e.coli beta-ketoacyl (acyl carrier protein) synthase i in2 complex with octanoic acid, 120k
41	c3lrfA_	Alignment	not modelled	100.0	32 PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of beta-ketoacyl synthase from brucella2 melitensis
42	c5e5nD_	Alignment	not modelled	100.0	25 PDB header: hydrolase Chain: D: PDB Molecule: polyketide synthase pksl; PDBTitle: ketosynthase from module 6 of the bacillae synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
43	c2uv9B_	Alignment	not modelled	100.0	23 PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase alpha subunits; PDBTitle: crystal structure of fatty acid synthase from thermomyces2 lanuginosus at 3.1 angstrom resolution. this file contains3 the alpha subunits of the fatty acid synthase. the entire4 crystal structure consists of one heterododecameric fatty5 acid synthase and is described in remark 400
44	c3hmiB_	Alignment	not modelled	100.0	22 PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: saccharomyces cerevisiae fas type i
45	c2vkzC_	Alignment	not modelled	100.0	21 PDB header: transferase Chain: C: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structure of the cerulenin-inhibited fungal fatty acid synthase type i2 multienzyme complex
46	c2uv8C_	Alignment	not modelled	100.0	20 PDB header: transferase Chain: C: PDB Molecule: fatty acid synthase subunit alpha (fas2); PDBTitle: crystal structure of yeast fatty acid synthase with stalled2 acyl carrier protein at 3.1 angstrom resolution
47	c4b3yB_	Alignment	not modelled	100.0	21 PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: cryo-em structure of the mycobacterial fatty acid synthase
48	c5bp1A_	Alignment	not modelled	100.0	28 PDB header: transferase Chain: A: PDB Molecule: mycocerosic acid synthase; PDBTitle: condensing di-domain (ks-at) of a mycocerosic acid synthase-like (mas-2 like) pks
49	c4cw4A_	Alignment	not modelled	100.0	18 PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of the noncanonical ketosynthase faby2 from p. aeruginosa
50	c2pffD_	Alignment	not modelled	100.0	21 PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
51	c2pffG_	Alignment	not modelled	100.0	21 PDB header: transferase Chain: G: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
52	c2pffA_	Alignment	not modelled	100.0	21 PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase

53	c4opfA	Alignment	not modelled	100.0	27	PDB header: ligase, transferase Chain: A: PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks8
54	c6qspA	Alignment	not modelled	100.0	26	PDB header: biosynthetic protein Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: ketosynthase (apeo) in complex with its chain length factor (apec)2 from xenorhabdus doucetiae
55	d1tqya2	Alignment	not modelled	100.0	41	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
56	d1tqyb2	Alignment	not modelled	100.0	34	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
57	d2ix4a1	Alignment	not modelled	100.0	33	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
58	d1ox0a1	Alignment	not modelled	100.0	29	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
59	d1e5ma1	Alignment	not modelled	100.0	34	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
60	d2vbaa1	Alignment	not modelled	100.0	29	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
61	d1j3na1	Alignment	not modelled	100.0	35	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
62	d2gfva1	Alignment	not modelled	100.0	31	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
63	d1e5ma2	Alignment	not modelled	100.0	44	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
64	d1ox0a2	Alignment	not modelled	100.0	41	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
65	d2gfva2	Alignment	not modelled	100.0	44	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
66	d1j3na2	Alignment	not modelled	100.0	49	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
67	d2ix4a2	Alignment	not modelled	100.0	41	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
68	d2vbaa2	Alignment	not modelled	100.0	35	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
69	d1tqyb1	Alignment	not modelled	100.0	15	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
70	d1tqya1	Alignment	not modelled	100.0	23	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
71	c6hspB	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: scp2-thiolase (type-1); PDBTitle: crystal structure of the zebrafish peroxisomal scp2-thiolase (type-1)2 in complex with coa and octanoyl-coa
72	c4eqvC	Alignment	not modelled	100.0	15	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of a monomeric scp2-thiolase like protein type 12 (stp1) from mycobacterium smegmatis
73	c6et9D	Alignment	not modelled	100.0	19	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase thiolase; PDBTitle: structure of the acetoacetyl-coa-thiolase/hmg-coa-synthase complex2 from methanothermococcus thermolithotrophicus at 2.75 a
74	c4e11C	Alignment	not modelled	100.0	24	PDB header: transferase Chain: C: PDB Molecule: acetoacetyl-coa thiolase 2; PDBTitle: crystal structure of acetoacetyl-coa thiolase (thla2) from clostridium2 difficile
75	c4u4eA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: thiolase; PDBTitle: crystal structure of putative thiolase from sphaerobacter thermophilus2 dsm 20745
76	c4n45B	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of reduced form of thiolase from clostridium2 acetobutylicum
77	c4dd5A	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase (thla1) from clostridium difficile
78	c2ibyD	Alignment	not modelled	100.0	24	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystallographic and kinetic studies of human mitochondrial2 acetoacetyl-coa thiolase (t2): the importance of potassium and3 chloride for its structure and function
79	c6hibB	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase a;

79	c0ujub_	Alignment	not modelled	100.0	23	PDBTitle: crystal structure of acat2-c91s thiolase from ascaris suum in complex2 with propionyl-coa and nitrate
80	c4wysB_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of thiolase from escherichia coli
81	c2wuaA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetoacetyl coa thiolase; PDBTitle: structure of the peroxisomal 3-ketoacyl-coa thiolase from sunflower
82	c2c7yB_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: 3-ketoacyl-coa thiolase 2; PDBTitle: plant enzyme
83	c5ab6E_	Alignment	not modelled	100.0	16	PDB header: transport protein Chain: E: PDB Molecule: scp2-thiolase like protein; PDBTitle: crystal structure of trypanosoma brucei scp2-thiolase like2 protein (tbslp) in complex with acetoacetyl-coa.
84	c5mg5R_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: R: PDB Molecule: 2,4-diacetylphloroglucinol biosynthesis protein phlc; PDBTitle: a multi-component acyltransferase phlabc from pseudomonas protegens2 soaked with the monoacetylphloroglucinol (mapg)
85	c4o9cC_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of beta-ketothiolase (phaa) from ralstonia eutropha2 h16
86	c3zbgA_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase-like protein; PDBTitle: crystal structure of wild-type scp2 thiolase from leishmania2 mexicana at 1.85 a
87	c3ledA_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-acyl carrier protein synthase iii; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein) synthase iii2 from rhodopseudomonas palustris cga009
88	c5zrvH_	Alignment	not modelled	100.0	26	PDB header: liase, oxidoreductase/transferase Chain: H: PDB Molecule: trifunctional enzyme subunit beta, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, octamer
89	c5bz4K_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: K: PDB Molecule: beta-ketothiolase; PDBTitle: crystal structure of a t1-like thiolase (coa-complex) from2 mycobacterium smegmatis
90	c6ok1A_	Alignment	not modelled	100.0	15	PDB header: transport protein Chain: A: PDB Molecule: lipid-transfer protein; PDBTitle: ltp2-chsh2(duf35) aldolase
91	c2vu2D_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase from z. ramigera. complex with s-pantetheine-11-2 pivalate.
92	c5lp7A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of 3-ketoacyl-coa thiolase (mmga) from bacillus2 subtilis.
93	c4c2jA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, mitochondrial; PDBTitle: crystal structure of human mitochondrial 3-ketoacyl-coa2 thiolase in complex with coa
94	c6bjaa_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase a; PDBTitle: crystal structure of acat5 thiolase from ascaris suum in complex with2 coenzyme a
95	c2iikA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, peroxisomal; PDBTitle: crystal structure of human peroxisomal acetyl-coa acyl transferase 12 (acaa1)
96	c6bn2A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from elizabethkingia2 anophelis nuhp1
97	c6aqpA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: aspergillus fumigatus cytosolic thiolase: acetylated enzyme in complex2 with coa and potassium ions
98	c4nzsA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: beta-ketothiolase bkbtb; PDBTitle: crystal structure of beta-ketothiolase bkbtb b from ralstonia eutropha2 h16
99	c3ss6B_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of the bacillus anthracis acetyl-coa2 acetyltransferase
100	c1afwB_	Alignment	not modelled	100.0	22	PDB header: thiolase Chain: B: PDB Molecule: 3-ketoacetyl-coa thiolase; PDBTitle: the 1.8 angstrom crystal structure of the dimeric2 peroxisomal thiolase of saccharomyces cerevisiae
101	c2d3mA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: pentaketide chromone synthase; PDBTitle: pentaketide chromone synthase complexed with coenzyme a
102	c1wl5A_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: acetyl-coenzyme a acetyltransferase 2; PDBTitle: human cytosolic acetoacetyl-coa thiolase
103	c1ulqD_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: D: PDB Molecule: putative acetyl-coa acetyltransferase; PDBTitle: crystal structure of tt0182 from thermus thermophilus hb8
104	c2d3tC_	Alignment	not modelled	100.0	24	PDB header: lyase, oxidoreductase/transferase Chain: C: PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: fatty acid beta-oxidation multienzyme complex from2

						pseudomonas fragi, form v
105	c4ubwB_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase fada5; PDBTitle: apo structure of the 3-ketoacyl-coa thiolase fada5 from m.2 tuberculosis
106	c5yo9A_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-(acp)] synthase iii c terminal PDBTitle: crystal structure of kas iii from acinetobacter baumannii
107	c3goaA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: crystal structure of the salmonella typhimurium fada 3-ketoacyl-coa2 thiolase
108	c4yzoD_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: D: PDB Molecule: putative acyl-coa acyltransferase; PDBTitle: crystal structure analysis of thiolase-like protein, st0096 from2 sulfobolus tokodaii
109	c3ov3A_	Alignment	not modelled	99.9	13	PDB header: transferase Chain: A: PDB Molecule: curcumin synthase; PDBTitle: g211f mutant of curcumin synthase 1 from curcuma longa
110	c5xyjA_	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: purification,crystallization and structural analysis of cytoplasmic2 acetoacetyl-coa thiolase from saccharomyces cerevisiae
111	c2p0uB_	Alignment	not modelled	99.9	12	PDB header: transferase Chain: B: PDB Molecule: stilbenecarboxylate synthase 2; PDBTitle: crystal structure of marchantia polymorpha stilbenecarboxylate2 synthase 2 (stcs2)
112	d1teda_	Alignment	not modelled	99.9	13	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
113	c5ucoB_	Alignment	not modelled	99.9	11	PDB header: transferase Chain: B: PDB Molecule: 2,4,6-trihydroxybenzophenone synthase; PDBTitle: benzophenone synthase from hypericum androsaemum
114	c3fk5A_	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-synthase iii; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein)2 synthase iii, fabh (xoo4209) from xanthomonas oryzae pv.3 oryzae kacc10331
115	c3svkB_	Alignment	not modelled	99.9	25	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from mycobacterium2 avium
116	c1xetD_	Alignment	not modelled	99.9	12	PDB header: transferase Chain: D: PDB Molecule: dihydropinosylvin synthase; PDBTitle: crystal structure of stilbene synthase from pinus sylvestris,2 complexed with methylmalonyl coa
117	c1zowB_	Alignment	not modelled	99.9	19	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase iii; PDBTitle: crystal structure of s. aureus fabh, beta-ketoacyl carrier protein2 synthase iii
118	c3wd8D_	Alignment	not modelled	99.9	10	PDB header: transferase Chain: D: PDB Molecule: type iii polyketide synthase quinolone synthase; PDBTitle: typeiii polyketide synthases
119	c6qspB_	Alignment	not modelled	99.9	15	PDB header: biosynthetic protein Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: ketosynthase (apeo) in complex with its chain length factor (apec)2 from xenorhabdus doucetiae
120	c2x3eA_	Alignment	not modelled	99.9	20	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein) synthase iii,2 fabh from pseudomonas aeruginosa pao1